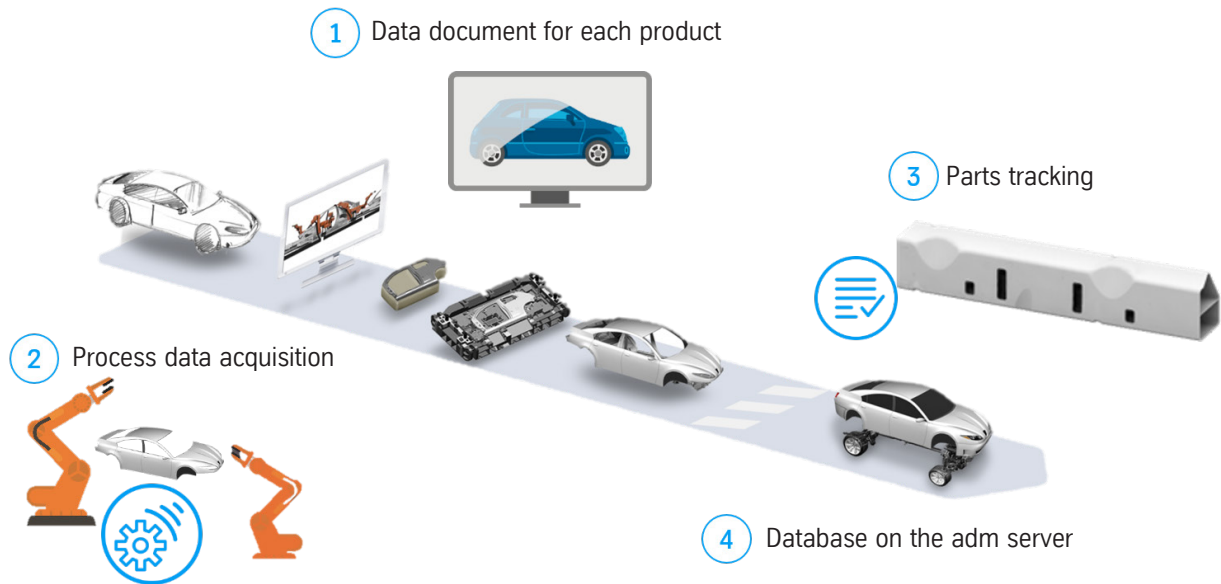




QDM Quality Data Management



Quality control and product documentation during and after the production phase

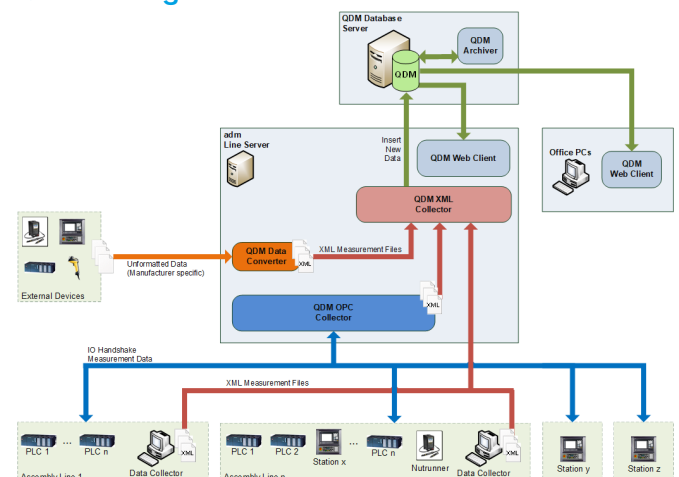
Initial situation

Quality guarantee and product liability play a key role in the series production of assemblies. Transparency in parts management and complete parts tracking minimize warranty and recall costs.

Technical description

The QDM is used to record quality data from the various stations of an assembly line. All data is stored in a database (MS-SQL-Server) on a database server (QDM-Server). The results can be evaluated via an office PC connected to the network. All evaluations necessary for quality control, maintenance and the system operators are available.

QDM linking



QDM Quality Data Management



Technical information

Hardware	QDM-PC/SQL database
Network	Evaluation with Office PC
Data selection	Application of statistical methods cp/cpk values
Trend	Gradients and overlapping
OK/NOK	Distribution to a locality or operation
Top N Error	Pareto evaluation with frequency analysis
Data collector	From the RFID chip or directly from the Stations in XML format

Field of application

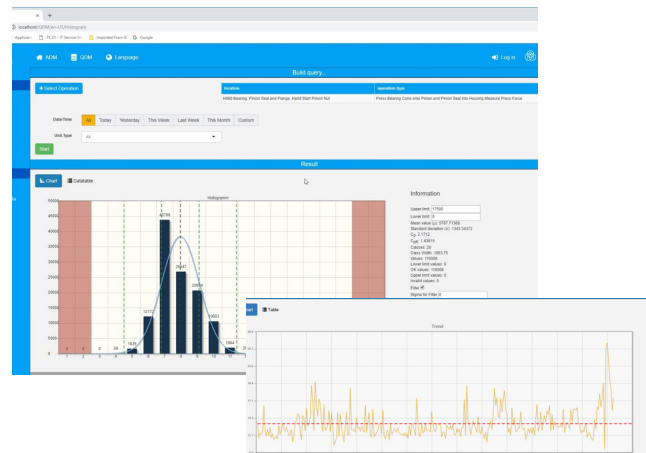
Standard evaluations, such as the "Top n faults", trends and histograms, can be called up with just a few mouse clicks.

All necessary data selections with the most varied display variants can be implemented. The integrated features for exporting data round off the openness of this system.

Customer benefits

- Data document for each product
- Parts traceability enables fast containment of quality-relevant components and operations
- Client server principle enables simultaneous access to the QDM data

All relevant quality data in one summary



Output and parameter selection freely configurable

QDM Part Report

Plant:	Project:	EA1IEA3
Unit Number:	Unit Type:	4460120422

Property	Value	Property Value
Batch Cross Shift	260601100020900B	2022310631
Batch Offset	4460120422	21461
Batch Planetary Gear		301220
Batch Side Gear		614145
Main Line Code		
Pin Offset		+105,950
RMS Data - Actual Quantity of the active batch		40
RMS Data - Gear Ratio		003.46
RMS Data - Gear Set Customer Part Number		260601
RMS Data - ID of current batch in RMS scheduler		1101
RMS Data - Material Version		
RMS Data - Material Version axial bevel		
RMS Data - Material Version Compensation Bevel Wheel		
RMS Data - Material Version Diff Case		
RMS Data - Material Version Differential Bolt		
RMS Data - Material Version Spring Pin		
RMS Data - Part Number Axle Bevel		

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The image shows a close-up of a mechanical part, likely a gear or a bearing, with green lines indicating tracking or measurement points. The part is labeled 'Part-System' and 'Track'.

Contact

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